

Please replace Table 1, beginning on page 3, line 26, with the following:

Homology Between SipC and IpaC

SipC GLSPTLSAPAPGVLTQTPGTITSSLKASIQNTDMNQDLNALANNVTTKAN 99
: .|... ..||| | .. . || | | . .: :. |:. .. .
IpaC AAHIPLNVGKNPVLTTLTND.DQLLKLSEQVQHDSEIIARLTDKKMKDLS 104 [95]

SipC KLSLVSFDAAKTTASSMMREGMNALSGSISQSALQLGITGVGAKLEYKGL 199
 .|||: .|||. |..|.: :|:|. |||: | |.... |: ||||: ||| ...|:
 IpaC QLSLIAFDATKSAAENIVRQGLAALSSSITGAVTQVGITGIGAKKTHSGI 198 [189]

SipC QNERGALKHNAAKIDKLTTESHSIKNVLNGQNSVKLGAEGVDSLKSLNIR 249
 ::|||:.| |. :.|..| : | .|| | ...:.....:|
 IpaC SDQKGALRKNLATAQSLEKELAGSKLGLNKQIDTNIITSPQTNS..... 241 [232]

Express Mail No. EV 327053668 US

SipC KPVPMMRRKILMMRRLNLMPEPAPRKVWVLKTVINKVSLNIYILSKRLESV 299

. |:| ...| || ...: .. :|. | |.. |:

IpaCSTKFLGKNKL.....APDNISL..STEHKTS.....LSSPDISL 273 [264]

SipC ESDIRLEQNYMDITRIDSQAQDADDGRSDYEELGHGRWYCRGVRAVRRYSG 349

...| ... :.. :...|...: ||.. |. : : .. : . ||..:

IpaC QDKIDTQRRTYELNTLSAQQKQONIGRATMETS AVAGNISTS...GGRYAS 320 [311]

SipC NV..SEQQISQVNNRVASTASDEARESSRKSTSLIQEMLKTMESINQSKA 397

..: .|| |||...: |..||: ..:|.|. .. |||..:|...:|||||.

IpaC ALEEEELISQASSKQAEASQVSKEASQATNQLIQKLLNIIDSINQSKN 370 [361]

SipC SALAAIAGNIRA 409 (SEQ. ID. NO. 1)

|| ..||||||

IpaC SAASQIAGNIRA 382 373 (SEQ. ID. NO. 18)